

FIG. 1A

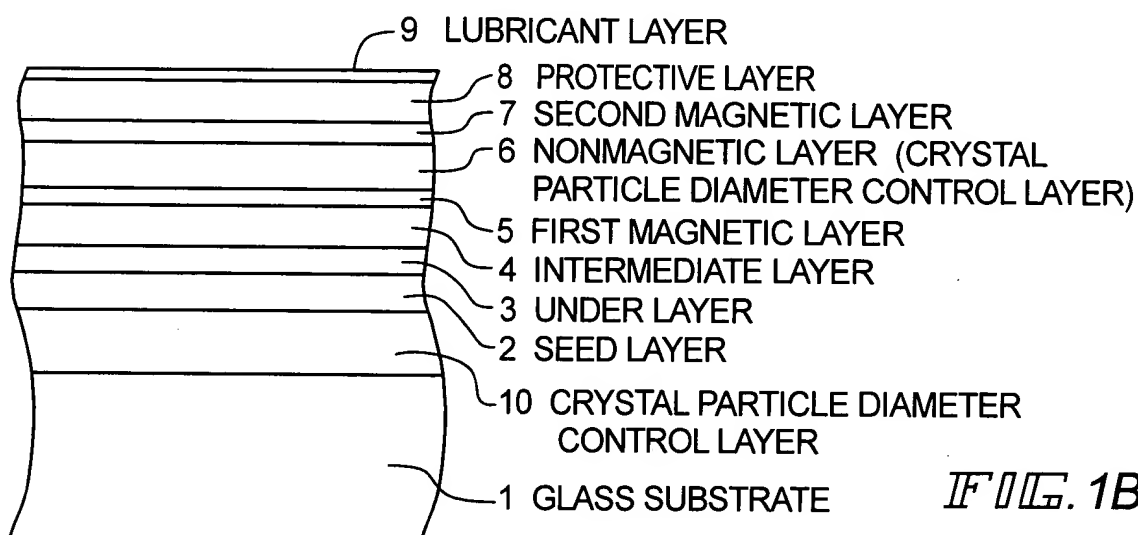


FIG. 1B

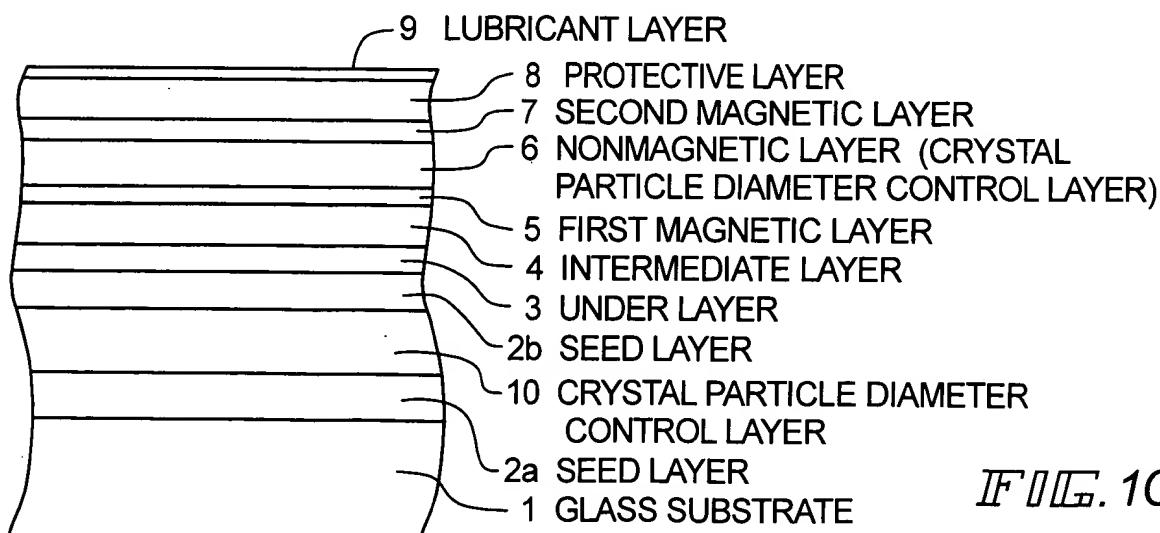


FIG. 1C

TABLE 1

	LAYER THICKNESS ( Å )	COERCIVE FORCE (Oe)	S / N RATIO (dB)	PW50(nsec)	dB / DECADE	$K_u \cdot V / kT$
EXAMPLE 2	5	2350	28.0	22.3	-0.070	95
EXAMPLE 3	10	2250	28.8	22.6	-0.073	90
EXAMPLE 4	50	2250	29.4	23.3	-0.083	90
EXAMPLE 5	100	2120	29.2	23.4	-0.090	85
COMPARATIVE EXAMPLE 2	3	2550	27.7	21.6	-0.060	100
COMPARATIVE EXAMPLE 3	120	2000	29.1	23.6	-0.100	80

FIG. 2

TABLE 2

	NONMAGNETIC LAYER COMPOSITION	COERCIVE FORCE (Oe)	S / N RATIO (dB)	PW50(nsec)	dB / DECADE	$K_u \cdot V / kT$
EXAMPLE 6	$\text{CrMn}_{0.5}\text{C}_{0.01}$	2130	29.0	22.8	-0.077	92
EXAMPLE 7	$\text{CrMn}_{0.5}\text{C}_{0.01}$	2400	29.5	23.3	-0.080	90
EXAMPLE 8	$\text{CrMn}_2\text{C}_{0.1}$	2350	29.3	23.0	-0.082	88
EXAMPLE 9	$\text{CrMn}_2\text{C}_{0.5}$	2150	29.6	22.5	-0.080	90
EXAMPLE 10	$\text{CrC}_{0.2}$	2080	29.1	22.2	-0.085	88
COMPARATIVE EXAMPLE 4	$\text{CrMn}_2$	2370	28.7	23.6	-0.095	80
COMPARATIVE EXAMPLE 5	$\text{CrMn}_2\text{C}_{0.55}$	2090	29.6	22.5	-0.092	83
COMPARATIVE EXAMPLE 6	$\text{CrMn}_{0.4}\text{C}_{0.01}$	2070	29.0	22.8	-0.100	78
COMPARATIVE EXAMPLE 7	$\text{CrMn}_6\text{C}_{0.01}$	2350	29.7	23.6	-0.097	88

FIG. 3

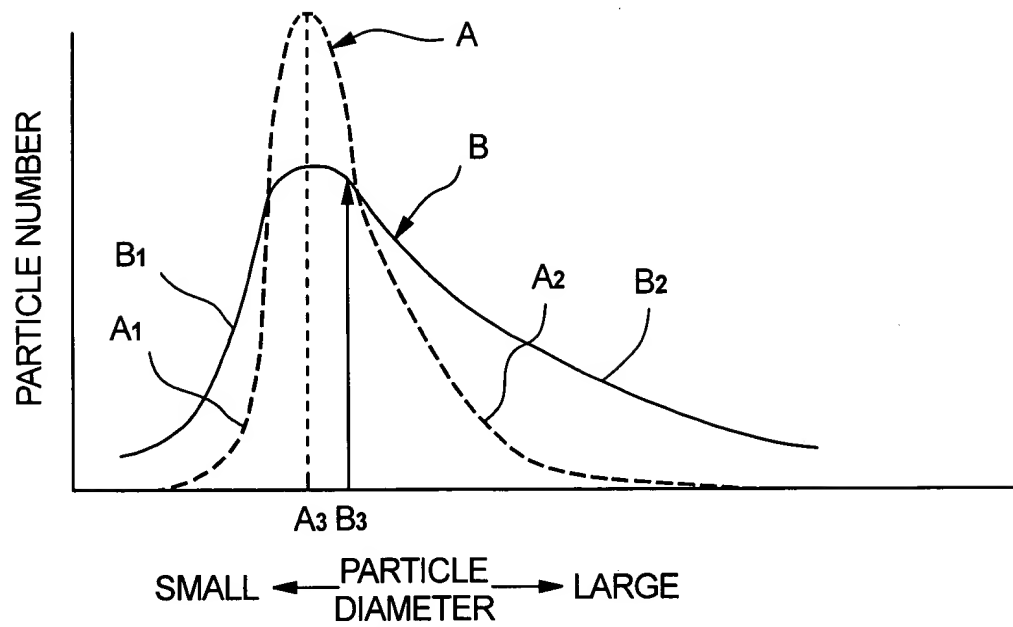
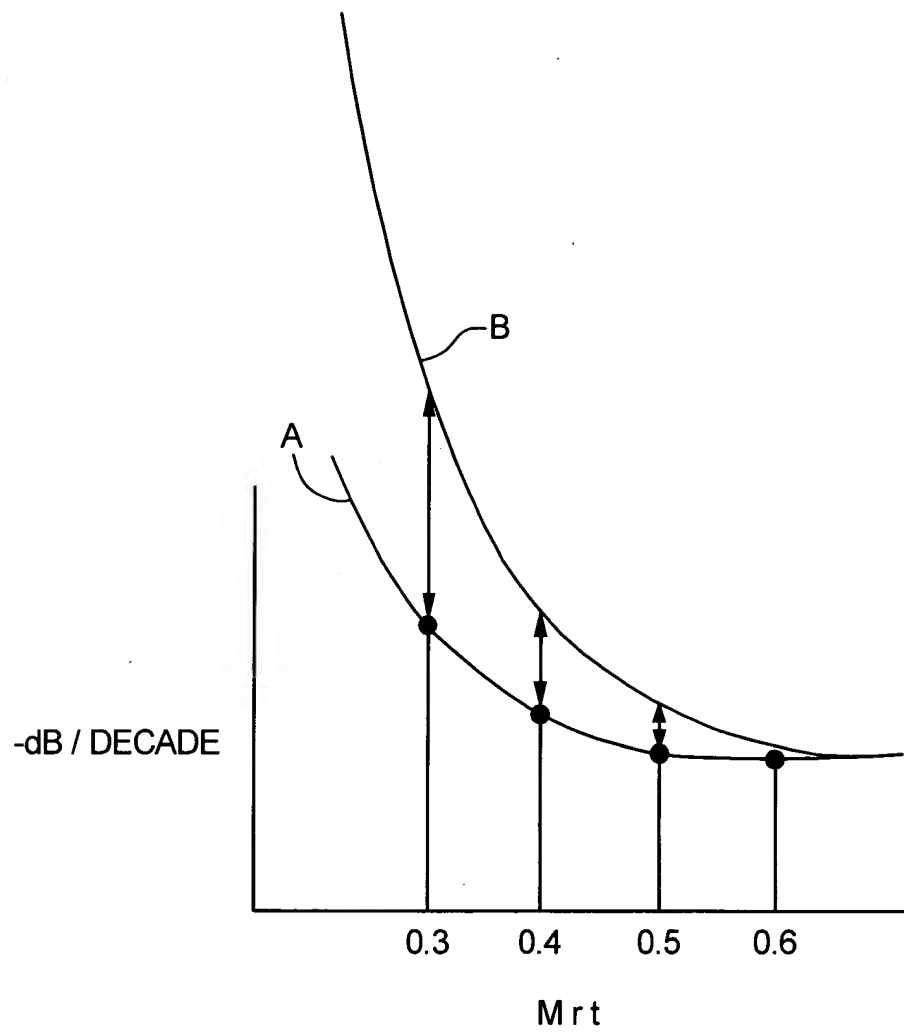


FIG. 4

LUBRICANT LAYER	9		
PROTECTIVE LAYER	8		
MAGNETIC LAYER	5		
INTERMEDIATE LAYER	4		
UNDER FILM	3		
NONMAGNETIC FILM	23	SEED LAYER 2	UNDER LAYER
INTERMEDIATE LAYER	22		
NONMAGNETIC FILM	21		
GLASS SUBSTRATE	1		

FIG. 5

*FIG. 6*

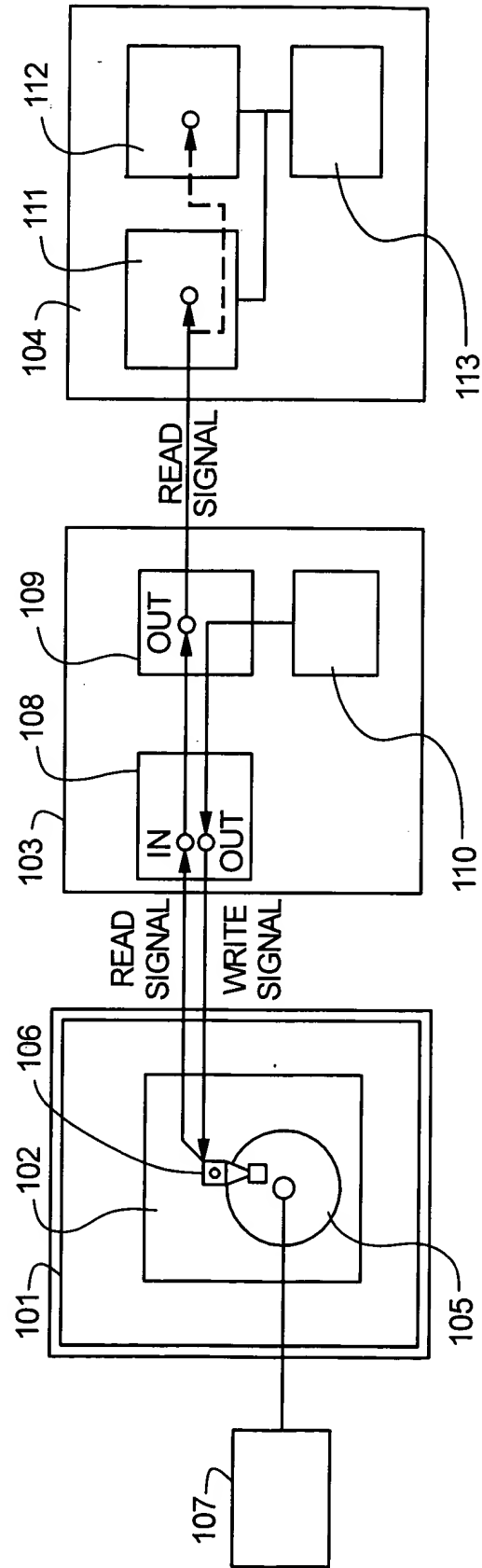


FIG. 7

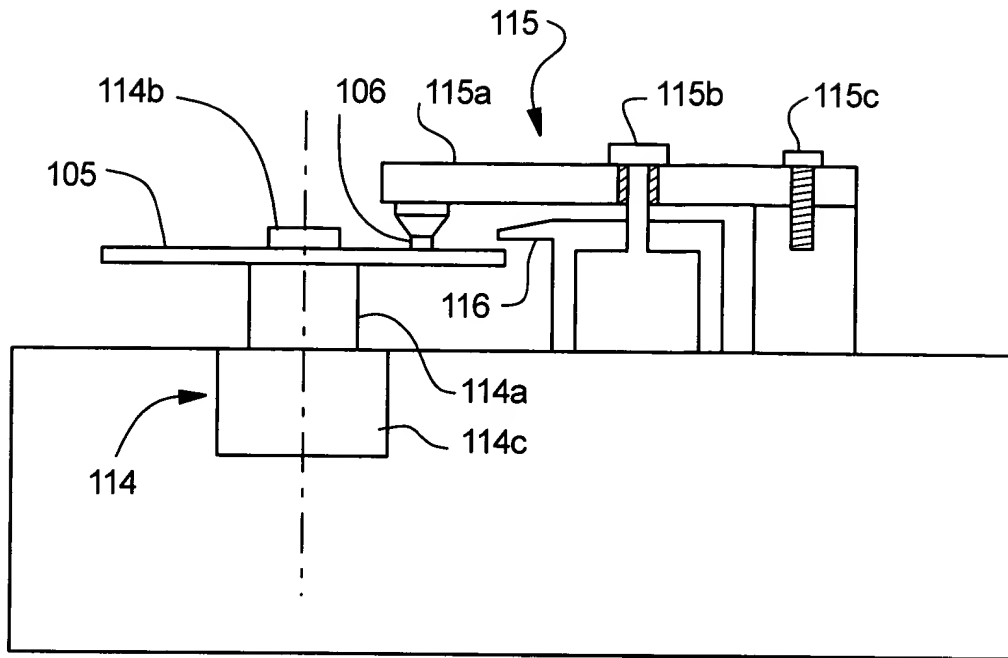


FIG. 8

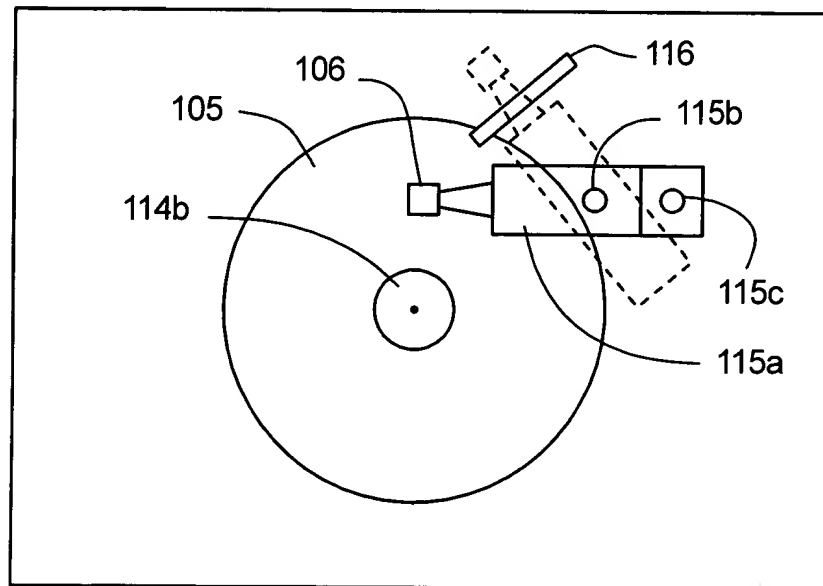


FIG. 9

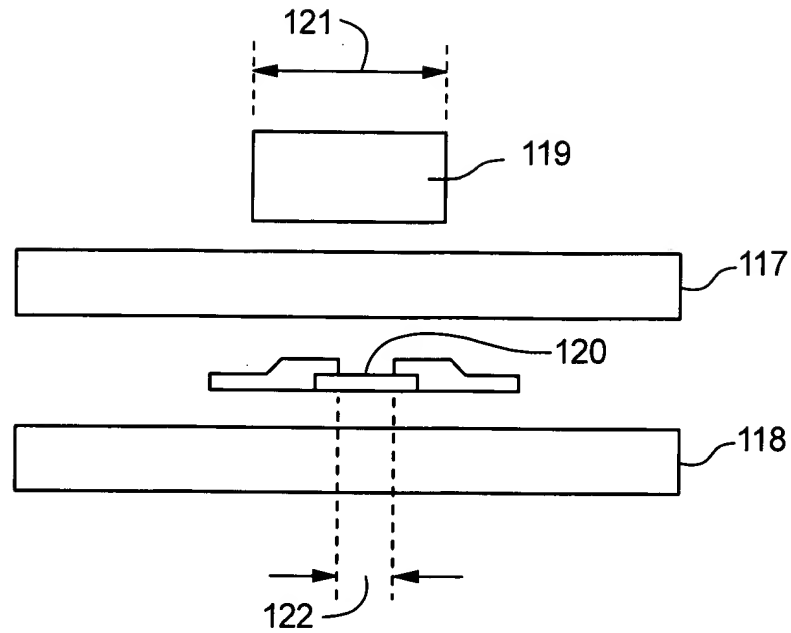


FIG. 10

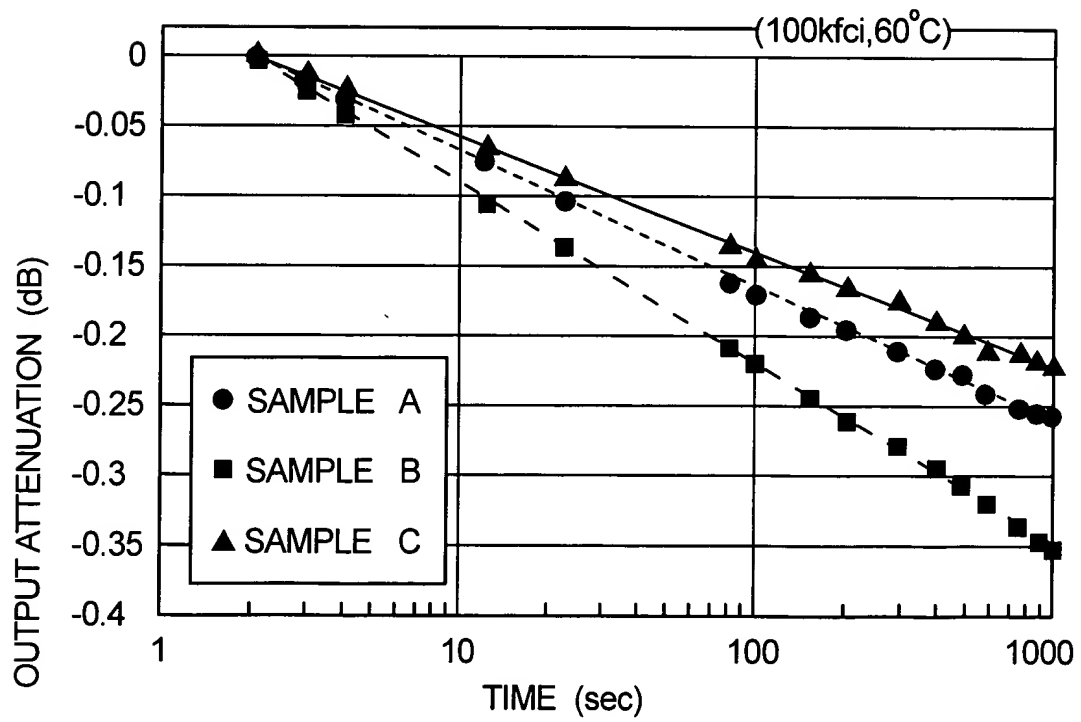


FIG. 11



	OUTPUT ATTENUATION (dB / DECADE)
	(100kfc, 60°C)
SAMPLE A	0.095
SAMPLE B	0.129
SAMPLE C	0.081

FIG. 12

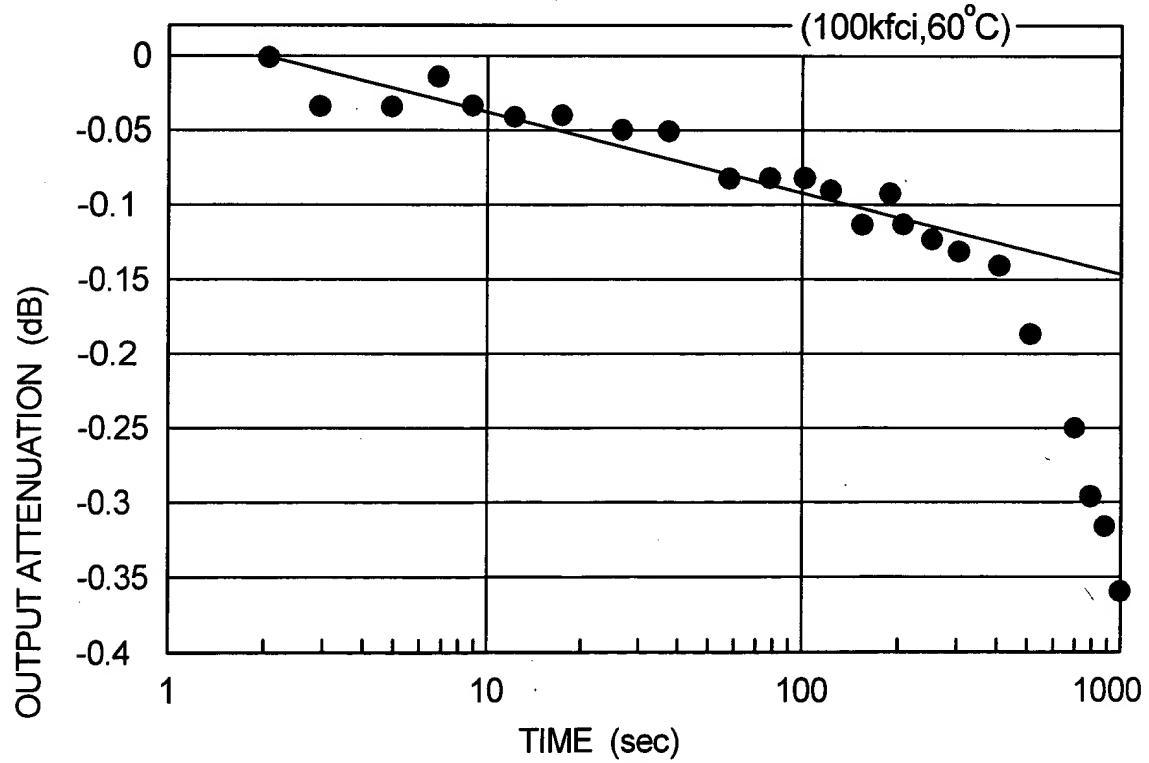


FIG. 13